Ten 05/12-13

(45)

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION.

NAME OF WORK:- Metalling and Asphalting to roads in Kalappa Layout in ward no 10 Doddabommasandra

ESTIMATE COST:- 16.70 LAKHS

Report accompany the estimate for metalling and Asphalting to roads in Kalappa layout in Ward No.10

The work of metalling and Asphalting to roads in Kalappa layout in Ward No.10 is approved for Rs.16.70 lakhs during 2010-11 under Additional grants for ward no.10

Underground sewerage work has not been carried in this ward so far. The corporator of ward no.10 has informed that the UGD work in this ward will commence shortly. Hence, as per his request this estimate is prepared and will be executed only after the completion of UGD work.

The spot was inspected and this estimate is prepared as per PWD SR 2010-11 with the following provisions.

1. Excavating the road cut portion done for laying UGD line 20cms deep and refilling with WMM
2. Scarifying the existing road surface.
3. Providing WMM to the entire road width
4. Cleaning of road surface and applying tack coat.
5. Providing and laying S.D.B.C 25mm thick.
6. Desilting of road side drains and conveying the same.

After completion of the work with the above provisions traffic would flow smoothly on these roads.

The estimate is prepared for Rs.16.70 lakhs as per PWD SR 2010-11 and since the work is approved under additional grants it is requested to accord administrative and technical sanction.

Assistant Engineer

Assistant Executive Engineer
Vidyaranyapura Sub Division

ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರ್
ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಯಲಹಂಕ ವಲಯ
ಸಹಕಾರನಗರ, ಬೆಂಗಳೂರು-92.

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Metalling and Asphalting to Roads in Kalappa Layout in Ward No. 10 Doddabommasandra, Vidyarnayapura Sub Division.

								Estimate Cost Rs.	1670000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	Removing B.S. slab of Drain and stacking. (P.24/I.5.32 PW, P & IWTD -SR 2010-11)	Sqm							
	Main Road		2	215.00	0.90		387.00		
	1st Cross		2	89.00	0.90		160.20		
	2nd Cross		2	89.00	0.90		160.20		
	3rd Cross		2	125.00	0.90		225.00		
	4th Cross		2	100.00	0.90		180.00		
	Pille Gowda Layout 6th Cross		2	35.00	0.90		63.00		
	7th Cross		2	61.00	0.90		109.80		
							1285.20		
	Consider 60%						642.60		
							642.60	42.77	**27483.00**
	Basic Rate	39.60							
	Area Weightage @ 8%	3.17							
	Total	**42.77**							
2	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH Chapter 3 (P.126/I.19.1 PW, P & IWTD -SR 2010-11)	Cum							
	Main Road		2	215.00	0.45	0.45	87.08		
	1st Cross		2	89.00	0.45	0.45	36.05		
	2nd Cross		2	89.00	0.45	0.45	36.05		
	3rd Cross		2	125.00	0.45	0.45	50.63		
	4th Cross		2	100.00	0.45	0.45	40.50		
	Pille Gowda Layout 6th Cross		2	35.00	0.45	0.45	14.18		
	7th Cross		2	76.00	0.45	0.45	30.78		
							295.26	56.16	**16582.00**
	Basic Rate	52.00							
	Area Weightage @ 8%	4.16							
	Total	**56.16**							

3	KSRRB 500-3: Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100m, sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specifications including cost of all labour, HOM of machineries complete as per specifications. MORTH chapter 5, No. 126/ Item No. 21.3/ PWD SR 2010-11	Sqm							
	Main Road		1	215.00	4.00		860.00		
	1st Cross		1	89.00	3.50		311.50		
	2nd Cross		1	89.00	3.50		311.50		
	3rd Cross		1	125.00	3.50		437.50		
	4th Cross		1	100.00	3.50		350.00		
	Pille Gowda Layout 6th Cross		1	35.00	3.60		126.00		
	7th Cross		1	76.00	4.00		304.00		
							2700.60	63.83	**172374.00**
	Basic Rate	59.10							
	Area Weightage @ 8%	4.73							
	Total	**63.83**							
4	KSRRB M400 - 17 : Providing, laying, spreading and compacting graded stone aggregates to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density. Material (Table 400-11) Clause: 406 PWD SR 2010-11 (P.167 / I.20.18)	Cum							
	Main Road		1	215.00	4.00	0.20	172.00		
	1st Cross		1	89.00	4.00	0.20	71.20		
	2nd Cross		1	89.00	3.50	0.20	62.30		
	3rd Cross		1	125.00	3.50	0.20	87.50		
	4th Cross		1	100.00	4.00	0.20	80.00		
	Pille Gowda Layout 6th Cross		1	35.00	3.60	0.20	25.23		
	7th Cross		1	110.00	4.00	0.20	88.00		
							584.43	1061.64	**620454.00**
	Basic Rate	983.00							
	Area Weightage @ 8%	78.64							
	Total	**1061.64**							

5	KSRRB 500-1. Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire brushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air, to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5 (P.148/I.21.1 PW, P & IWTD SR 2010-11)	Sqm							
	Main Road		1	215.00	5.00		1075.00		
	1st Cross		1	89.00	3.50		311.50		
	2nd Cross		1	89.00	3.50		311.50		
	3rd Cross		1	125.00	4.00		500.00		
	4th Cross		1	100.00	4.00		400.00		
	Pille Gowda Layout 6th Cross		1	35.00	5.00		175.00		
	7th Cross		1	110.00	4.00		440.00		
							3213.00	8.96	**28801.00**
	Basic Rate	8.30							
	Area Weightage @ 8%	0.66							
	Total	**8.96**							
6	KSRRB 500-9. Providing and applying tack coat on granular base such as WBM and WMM surfaces hot bitumen primed at 10 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5 (P.149/I.21.9 PW, P & IWTD SR 2010-11)	Sqm							
			Qty Vide Item No. 5				**3213.00**	52.32	**168089.00**
	Basic Rate	48.44							
	Area Weightage @ 8%	3.88							
	Total	**52.32**							

7	KSRRB M500-Semi dense bituminous concrete - KSRRB M500-18. Providing and laying semi dense bituminous concrete 25 mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.8 complete in all respects as per specifications - with 60/70 grade bitumen. (P.151/I.21.20.2 PW, P & IWTD SR 2010-11)	Cum							
	Main Road		1	215.00	5.00	0.025	26.88		
	1st Cross		1	89.00	3.50	0.025	7.79		
	2nd Cross		1	89.00	3.50	0.025	7.79		
	3rd Cross		1	125.00	4.00	0.025	12.50		
	4th Cross		1	100.00	4.00	0.025	10.00		
	Pille Gowda Layout 6th Cross		1	35.00	5.00	0.025	4.38		
	7th Cross		1	110.00	4.00	0.025	11.00		
							80.33	7213.57	**579430.00**
	Basic Rate	6679.23							
	Area Weightage @ 8%	534.34							
	Total	**7213.57**							
6	Refixing stone slabs of drains and pointing in C.M (1:3). (P.24/I.5.33 PW, P & IWTD -SR 2010-11)	Sqm							
			Qty Vide Item No. 01				642.60		
							642.60	57.00	**36630.00**
	Basic Rate	47.50							
	Add difference in cost of amount 0.132x40	5.28							
		52.78							
	Area Weightage @ 8%	4.22							
	Total	**57.00**							

9	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means ...uding loading and unloading. From 0.00 to 2.00 Km (Page No.123,					295.26 298.77	19877.00
				Qty. Vide Item No. 02		291.75	20113=00
	Average Weight of Earth 1.28 Ton/Cum	Mtone				373.44	
						373.44	67.32 25140.00
	Basic Rate Lead Charges Upto 2.00 Kms	5.12					
	PWD SR 2010-11 (P.118/I.17.1) For loading and unloading	62.20					733=00
	Total	**67.32**					732=72
10	Miscesallaneous Charges						~~1923.98~~ 238.00
						Total	1670000.00

(Rupees Sixteen Lakhs Seventy Thousand Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2010-11.
3 This work included under Additional Grants 2010-11.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

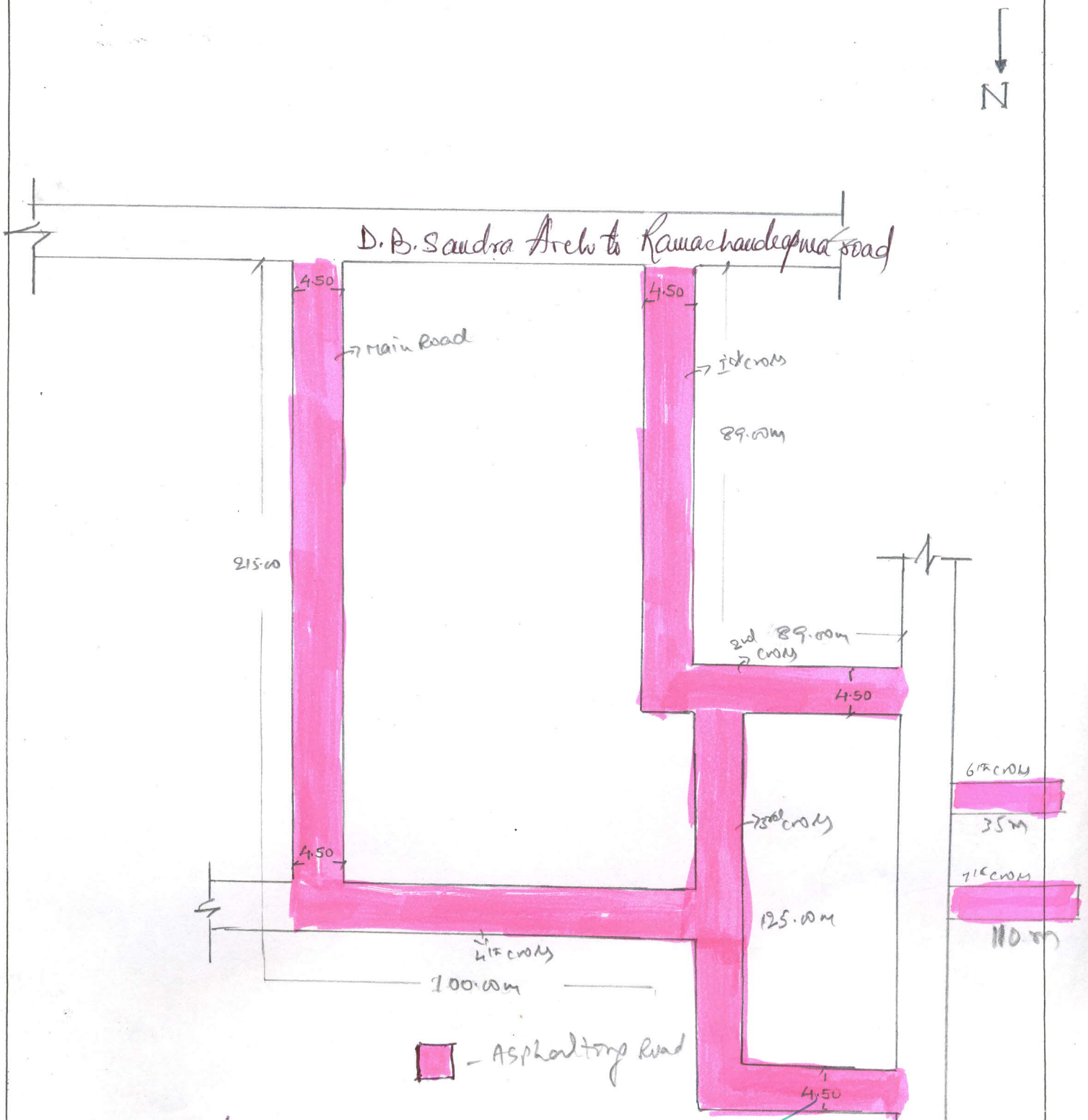
Administrative Sanction for Rs. 16.70 lacs only (Rs Sixteen lacs Seventy thousand only) is accorded under head Pow General ... works P 1771 registered as CE No. DC/YNK/AA/90/11-12 Subject to Conditions contained in enclosed memo No. ... Dt. 11.07.2011

AE/JE TA SE (BTP) DC (BTP)

Technical Sanction for Rs. 16.70 lacs only (Rs Sixteen lacs Seventy thousand only) under Pow - General ... works P 1771 registered as CE No. SE/YNK/TA/33/11-12 Subject to Conditions contained in enclosed memo No. ... Dt. 21.07.11

AE/JE TA SE (BTP) CE (BTP)

Name of Work :- Metalling and Asphalting to roads in Kalappa layout in Ward no:10



ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ,
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬೃ. ಬೆಂ. ಮ. ಪಾ., ಬೆಂಗಳೂರು-97,

ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರ್
ಪೂರ್ವಾಯನಮರ ವಿಭಾಗ,
ಬೃ.ಬೆ.ಮ.ಪಾ. ಯಲಹಂಕ ವಲಯ
ಸಹಕಾರನಗರ, ಬೆಂಗಳೂರು-92.